

Specification, as required in the Office Action, including a marked-up version as required under 37 C.F.R. 1.125(b), showing changes implemented by the amendments made herein.

This response is accompanied by a Petition to extent time for response for four (4) months, from October 26, 2000, until February 26, 2001.

Please amend the application as follows:

IN THE SPECIFICATION:

On page 7, line 15, replace "(SEQ ID NO:4-6)" with
--(SEQ ID NOS:152-222)--.

On page 8, line 13, replace "SEQ ID NOS:4-6" with
--SEQ ID NOS:152-222--.

On page 9, line 7, replace "SEQ ID NO:4-6" with
--SEQ ID NOS:152-222--.

On page 9, lines 9 and 10, replace "SEQ ID NO:4, SEQ ID NO:5 and
SEQ ID NO:6" with --SEQ ID NOS:152-176, SEQ ID NOS:177-198 and
SEQ ID NOS:199-222--.

On page 9, line 13, replace "SEQ ID NOS:4, 5, and/or 6" with
--SEQ ID NOS:152-176, 177-198 and/or 199-222--.

On page 9, line 14, replace "SEQ ID NOS:4-6" with
--SEQ ID NOS:152-222--.

On page 10, lines 2 and 3, replace "SEQ ID NO:4, SEQ ID NO:5, and
SEQ ID NO:6" with --SEQ ID NOS:152-176, SEQ ID NOS:177-198 and
SEQ ID NOS:199-222--.

On page 10, lines 13 and 14, replace "SEQ ID NOS:2, 4, 5, or 6" with
--SEQ ID NOS:2, 152-176, 177-198 or 199-222--.

On page 10, line 16, replace "SEQ ID NOS:2, 4, 5, or 6" with
--SEQ ID NOS:2, 152-176, 177-198 or 199-222--.

On page 10, line 26, replace "SEQ ID NOS:2, 4, 5, or 6" with
--SEQ ID NOS:2, 152-176, 177-198 or 199-222--.

On page 11, line 15, replace "SEQ ID NOS:2, 4, 5, or 6" with
--SEQ ID NOS:2, 152-176, 177-198 or 199-222--.

On page 11, line 19, replace "SEQ ID NOS:2, 4, 5, or 6" with
--SEQ ID NOS:2, 152-176, 177-198 or 199-222--.

On page 14, line 9, replace "SEQ ID NOS:114-116," with
--SEQ ID NOS:316-365--.

On page 14, line 12, replace "SEQ ID NOS:114-116," with
--SEQ ID NOS:316-365--.

On page 14, line 13, replace "SEQ ID NOS:114-116," with
--SEQ ID NOS:316-365--.

On page 14, line 16, replace "SEQ ID NOS:114-116," with
--SEQ ID NOS:316-365--.

On page 14, line 18, replace "SEQ ID NOS:114-116," with
--SEQ ID NOS:316-365--.

On page 15, line 21, replace "4-6" with --152-222--.

On page 15, line 28, replace "4-6" with --152-222--.

On page 16, line 7, replace "4-6" with --152-222--.

On page 18, line 7, replace "114, 115, 116" with --316-343, 344-356, 357-365--.

On page 18, line 12 (as amended), replace "4-6" with --152-222--.

On page 18, line 12, replace "114, 115, 116" with --316-343, 344-356,
357-365--.

On page 18, line 20, replace "114, 115, 116" with --316-343, 344-356,
357-365--.

On page 20, line 11, replace "4-6" with --152-222--.

On page 26, line 21 (as amended), replace "(SEQ ID NO:473)" with
--(SEQ ID NO:116)--.

On page 26, line 23 (as amended), replace "(SEQ ID NO:478)" with
--(SEQ ID NO:473)--.

On page 26, line 24 (as amended), replace "(SEQ ID NO:479)" with
--(SEQ ID NO:474)--.

On page 26, line 26 (as amended), replace "(SEQ ID NO:480)" with
--(SEQ ID NO:475)--.

On page 26, line 28 (as amended), replace "(SEQ ID NO:474)" with
--(SEQ ID NO:115)--.

On page 27, line 20 (as amended), replace "(SEQ ID NO:475)" with
--(SEQ ID NO:114)--.

NE, On page 27, line 24, replace "(SEQ ID NO:474)" with
--(SEQ ID NO:115)--.

On page 27, line 30, insert --(SEQ ID NO:4)-- after "X₁₀₋₂₀-X₁₂-K".

On page 31, line 23, please delete "and insert various" previously added by
amendment and insert --with--.

On page 32, line 15, delete "Figure 56A shows alignment of mTRT protein
(SEQ ID NO:413) and insert hTRT protein (SEQ ID NO:412). Consensus peptides are given
in SEQ ID NOS:414-416. Figure 56B shows alignment of mTRT DNA (SEQ ID NO:419) and
insert hTRT cDNA (SEQ ID NO:417)." previously added by amendment and insert Figure

56A shows alignment of mTRT protein (SEQ ID NO:413) and hTRT protein (SEQ ID
NO:412). Consensus peptides are given in SEQ ID NOS:414-416. Figure 56B shows
alignment of mTRT DNA (SEQ ID NO:419) and hTRT cDNA (SEQ ID NO:417).-- .

On page 41, line 11 (as amended), replace "(SEQ ID NO:473)" with
--(SEQ ID NO:116)--.

On page 42, line 29 (as amended), replace "(SEQ ID NO:473)" with
--(SEQ ID NO:116)--.

On page 43, line 1 (as amended), replace "(SEQ ID NO:478)" with
--(SEQ ID NO:473)--.

On page 43, line 2 (as amended), replace "(SEQ ID NO:479)" with
--(SEQ ID NO:474)--.

NE, On page 43, ~~line 3~~ (as amended), delete "(SEQ ID NO:482)" and insert in its
place --(SEQ ID NO:477)--.

On page 43, line 4 (as amended), replace "(SEQ ID NO:480)" with
--(SEQ ID NO:475)--.

On page 43, line 6 (as amended), replace "(SEQ ID NO:474)" with
--(SEQ ID NO:115)--.

On page 43, line 7 (as amended), replace "(SEQ ID NO:481)" with
--(SEQ ID NO:476)--.

On page 43, line 14, insert --(SEQ ID NO:4)-- after "X-L-X₃-X₁₀₋₂₀-X₁₂-K".

(N2) On page 44, "TABLE 1", line 25 (as amended), under the column heading
"motif SEQ ID NO:", replace "476" with --6--.

On page 46, line 28, replace "circle (M)" with --dot (·)--.

(N2) On page 131, line 26, delete "mixture and insert WB at 4°C" [added by previous
amendment] and insert -- mixture with WB at 4°C--.

(N2) On page 131, line 26, delete "15 minutes and insert WB at 4°C" [added by
previous amendment] and insert --15 minutes with WB at 4°C--.

On page 152, line 27, replace "G-3' (SEQ ID NO:109)" with
--G-3' (SEQ ID NO:109))--.

(N2) On page 153, line 3, delete "50°C" [added by previous amendment] and insert -
- 55°C--.

(N2) On page 156, line 13, delete ", as shown in Figure 25".

On page 161, line 10, replace "SEQ. ID. NO:118" with --SEQ ID NO:118--.

On page 167, line 3, replace "SEQ ID NOS:4-6" with
--SEQ ID NOS:152-222--.

On page 191, line 7, replace "CAGC-3" with --CAGC-3'--.

On page 198, line 2 (as amended), replace "(SEQ ID NO:477)" with
--(SEQ ID NO:5)--.

Please cancel the present "SEQUENCE LISTING", and insert therefor the
accompanying paper copy of the Substitute Sequence Listing, page numbers 1 to 284, at the
end of the application.